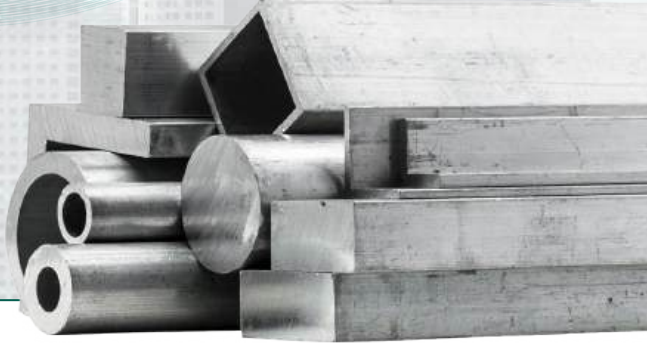
STAVIAN®
INDUSTRIAL METAL

Empowering Industries, Enhancing Lives





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COMPANY OVERVIEW

Stavian Industrial Metal - A member of Stavian Group

Stavian Industrial Metal Joint Stock Company (abbr. "Stavian Industrial Metal") is proud to be a member of Stavian Group - a leading infrastructure enterprise with four pillars: Industry, Technology, Energy, and Trade, with an extensive global network of customers and partners, distinguished by numerous remarkable achievements.

Stavian Group - A multi-national industrial company

Founded in

2009

Revenue

~ USD 2.8 billion (2025)

Customer network

> 20,000 local & international customers & partners

Market presence

> 100 countries & territories

Global facilities

30+ international offices
40+ worldwide logistics hubs

10+ manufacturing factories
5+ Industrial zones & digital parks





01

Stavian Chemical named to the **Fortune Southeast Asia 500 for two consecutive years (#219 in 2025 and #227 in 2026)**



02

Stavian Chemical ranked **#15 globally and #6 in APAC** in the **ICIS Top 100 Chemical Distributors 2026**



03

Stavian Chemical received the **Corporate Excellence award**, and Mr. Dinh Duc Thang, Chairman & CEO of Stavian Chemical, was awarded **Master Entrepreneur at the Asia Pacific Enterprise Awards** 2022



04

Stavian Chemical is honored to receive the **Vietnam Gold Star Award 2024**



05

Mr. Tony Dinh (Chairman & CEO) named **Vietnam Outstanding Young Entrepreneur of 2022** at The Red Star Awards



Employer of Choice 2024
by CareerBuilder.vn

06

Stavian Group is honored to become the **Employer of Choice in 2024**

Top 24

Top 500 largest private enterprises in Vietnam by VNR500 (2025)

Top 52

Top 500 largest enterprises in Vietnam by VNR500 (2025)

Top 89

Top 500 most profitable enterprises in Vietnam by Profit500 (2025)

07

In 2025, Stavian Chemical continued to make a strong impression on **Vietnam's most reputable rankings**, affirming its position among leading private enterprises, prominent large-scale national companies, and a group of businesses recognized for **outstanding profit performance**.



08

Stavian Group was honored among the Top 10 ESG Vietnam Green Enterprises in key industries (ESG10) – Processing and Manufacturing Industries in 2026



09

Stavian Group wins double prizes at **Vietnam Best Places to Work 2024**

About Stavian Industrial Metal

Vision

By 2030, Stavian Industrial Metal aims to become one of the world's Top 10 enterprises in industrial metal processing, manufacturing investment and trading, while maintaining its position as the No.1 green metal business and carbon credit service provider in Southeast Asia. This strategic vision reflects the company's ambition to expand its global presence, strengthen its leadership in the green transition and reinforce its commitment to building a sustainable industrial metal value chain.

Mission

Creating the utmost values for customers, shareholders, personnel, the community and natural environment through sustainable business.

Products & Services

Trading and distribution of industrial metal materials including 4 key product groups:

- **Steel**
- **Aluminum**
- **Copper**
- **Zinc**

In addition, Stavian Industrial Metal has been actively advancing our global trading and processing operations, gradually expanding into investment partnerships, joint ventures and production scale-ups while guaranteeing output distribution to fulfill market demands.

Business philosophy

- Customer centricity is not only our business strategy but also part of our culture, together with integrity, intelligence and outstanding service quality.
- We do not aim for growth, we aim for sustainable growth. By creating a comprehensive ecosystem, we create utmost values to our stakeholders, our employees, every community where we operate across the world and last but not the least - the global natural environment.
- At Stavian Industrial Metal, we strive towards the goal of "Shaping Life".

Core values





BOARD OF DIRECTORS



Mr. David Nguyen

Chairman

- One of the founders, Mr. David Nguyen currently serves as the Vice Chairman of the Board of Directors of Stavian Group. Prior to this role, he was the CEO of A Chau Plastic Company (2002 - 2009) and key personnel at VINAMOTOR (2002 - 2008).
- With over 20 years of experience in business, management, and operations in industries such as Plastics, Sulfur, Logistics, and more, Mr. David Nguyen has worked with large-scale enterprises. Companies under his leadership, including Stavian Group and Stavian Chemical, have consistently achieved impressive business results, receiving recognition and high rankings from reputable international organizations. His exceptional leadership skills have been repeatedly acknowledged through important awards from the Government, Ministries, and National Agencies.
- Mr. David Nguyen has a broad and strong professional network in various fields including Trade, Finance, Banking, Construction Materials, Real Estate, M&A, and more.
- He holds an MBA degree from the International Business University of Scandinavia.

Mr. Justin Nguyen

CEO

- With nearly 20 years of senior management experience in the plastics and industrial metals industries across both domestic and international markets, Mr. Justin Nguyen demonstrates strong capabilities in developing growth strategies, executing business operations and leading large-scale multinational projects.
- A responsible and forward-thinking executive, he is recognized for his sharp business insight and readiness to embrace challenges to expand market presence and contribute to the company's sustainable growth.
- Mr. Justin Nguyen earned his Executive MBA from the University of Hawai'i and is currently based in Houston, USA.



BOARD OF DIRECTORS



Mrs. Flora Nguyen

Deputy General Director

- With over 16 years of extensive experience in the field of Finance and Accounting, Ms. Flora Nguyen has held several key leadership positions such as Chief Financial Officer (CFO) and Chief Accountant at large-scale, multi-sector corporations operating across healthcare, construction, trade, manufacturing, import-export, and logistics industries.
- Since joining Stavian Group from its early days of establishment and development, Ms. Flora Nguyen has taken on various senior management roles and made significant contributions that have been recognized through numerous prestigious internal awards of the Group.
- She is an expert in corporate financial analysis, comprehensive financial strategy planning, risk control, and systematic financial management, ensuring efficiency, transparency, and sustainable growth for the organization.



Mr. Adward Khong

Deputy General Director

- With more than 21 years of experience in finance and banking, corporate management, and business operations, Mr. Adward Khong has held various management and executive positions at banks, financial institutions, enterprises, and large-scale business units. His extensive management and leadership experience has shaped a broad strategic perspective, together with the ability to guide key business decisions by balancing growth objectives, operational efficiency, and risk management.
- At Stavian Industrial Metal, he oversees the Metal Trading, Project Business, and Processing operations, contributing to the Company's business direction, the development of strategic solutions, and the enhancement of its competitiveness.
- He holds a degree in Finance and Banking from the National Economics University.

BOARD OF DIRECTORS



Mrs. Johanna Vu

Chief Strategy Officer

- Mrs. Johanna Vu has over 15 years of extensive experience in key management roles across strategic and business development, supply chain management, finance, investment, ESG, and sustainability. She has contributed significantly to enhancing business growth and competitiveness for enterprises.
- As Chief Strategy Officer (CSO) of the company, Ms. Johanna Vu is responsible for corporate strategic development, business model design and implementation, strategic partnership development, green transition, and ESG investment. She plays a key role in shaping the company's sustainable growth vision.
- She holds a Master's degree in Business Administration from Sweden, completed the Global Management Program on Green Transition funded by the Swedish Institute, and the ESG Investment Program organized by the Principles for Responsible Investment (PRI).



Mrs. Naomi Nguyen

Chief Financial Officer

- With 12 years of experience in Finance and Accounting, Mrs. Naomi Nguyen has held various professional and management positions at companies operating in construction and installation, trading, real estate, manufacturing, and import-export, including Chief Accountant, Head of Finance, and Financial Controller.
- She has extensive expertise in financial analysis and management, capital raising, cash flow management, cost control, financial control systems development, and risk management. She also has experience working with domestic and international credit institutions, participating in financial strategy planning, and enhancing capital efficiency to support business operations.
- She has a solid academic background in Accounting and Auditing from the Academy of Finance, along with professional certifications in Chief Accounting, Financial Analysis, and Import-Export.

Working environment

Inheriting Stavian Group's strategy "Stavian – Happy Human Resources", we have created a working environment where the concept of Human Resources (HR) is redefined as "Happy Relationships."

"At Stavian Industrial Metal, we offer you more than just a job; we offer you a career."





"At Stavian Industrial Metal, we offer you more than just a job; we offer you a career"

OUR UNIQUE VALUE PROPOSITION



SUPPLY CHAIN DIAGRAM





We're bridging industrial metal material suppliers worldwide with thousands of businesses across various industries in Vietnam and abroad:

- STEEL STRUCTURE
- BRIDGES & ROADS
- SHIPBUILDING
- AUXILIARY
- CONSTRUCTION
- AUTOMOTIVE
- ELECTRICAL & ELECTRONICS
- MECHANICAL ENGINEERING

5 COMPREHENSIVE TRADING AND PROCESSING MODELS

We erect 5 comprehensive trading and processing models to enhance the company's competitiveness and operational position, minimize risks and optimize profits, thereby strengthening the capability to meet supply, processing and trading needs for customers. These models include:

1. ***Buy locally - Sell locally***
   Processing locally - Sell locally
2. ***Buy locally - Sell internationally***
   Processing locally - Sell internationally
3. ***Buy internationally - Sell locally***
   Process internationally - Sell locally
4. ***Buy internationally - Sell internationally***
   Process internationally - Sell internationally
5. ***Local trading within the host country***
   Processing in host country - Selling in host country





25 OUTSTANDING BUSINESS SOLUTIONS

With a philosophy centered around customers' needs, we deeply understand the challenges our customers face in their operations and activities both domestically and internationally. Therefore, we continuously develop innovative business solutions to fully support every need of our domestic and international customers.

Domestic Business Solutions

1 | Spot shipment at good price

2 | Import cargo – signing contracts with oversea branches of SIM

3 | Formula price – Term contract

4 | Offtake principle contract

5 | Domestic cargo 6-month deferred payment after delivery

6 | On-spot import/export

7 | Co-investment contract

8 | Supply raw materials
Guarantee sales of finished products

9 | Purchase material with installment payment

10 | Purchase with open credit

11 | Purchase with credit card

12 | Purchase with credit over-draft

13 | Purchase with deferred payment in VND, get preferential interest rate in USD

14 | Entrusted export/import

15 | All-in Logistics services

16 | Factory key collateral

17 | Machine leasing

18 | Good derivatives

19 | Carbon credit services

20 | Supply chain finance

International Business Solutions

1 | International purchasing - Deferred payment with Competitive interest rates

2 | International commodity derivatives

3 | Cross-border trade

4 | International purchasing Unsecured deferred payment

5 | International business entrustment

Global distribution network

- We have built a swift and effective domestic distribution network through a system of warehouses and offices in Hanoi, Hai Phong and Ho Chi Minh City.
- Additionally, inheriting reliable cooperative relationships with partners in over 100 countries and territories where Stavian Group operates, we are confident in our ability to best meet the needs of both domestic and international customers.
- With the advantage of our network and the international trade experiences of our key personnel, Stavian Industrial Metal is increasingly asserting its position as a large-scale industrial metal trading company. We not only excel in serving the Stavian Group's ecosystem but also possess full capacity to supply materials for large enterprises in the industrial sector, both domestically and internationally.



PRODUCT PORTFOLIO

Stavian Industrial Metal offers a diverse portfolio of high-quality industrial metal products. We are committed to providing customers with genuine products that adhere to manufacturer specifications, meet both Vietnam's and international quality measurement standards, along with dedicated and exceptional customer service.

The 4 Main Product Categories Distributed by Stavian Industrial Metal Include

1. STEEL

- Iron ore
- Steel billet
- Hot-rolled coil
- Cold-rolled coil
- Coated steel
- Construction steel
- Shipbuilding steel

2. ALUMINUM

- Alumina
- Aluminum ingot
- Aluminum billet
- Finished and semi-finished aluminum products

3. COPPER

- Copper cathode
- Copper wire

4. ZINC

- Zinc ingot
- Zinc alloy





01. STEEL

1.1 Iron ore

Iron ore distributed by Stavian Industrial Metal is carefully tested and certified by SGS. We also provide transparent origins for our products.

In addition to quality commitment, our company is also committed to abundant reserves, output and infrastructure to ensure uninterrupted trading activities.

CATEGORIES	DETAILS
Origins	Global producers
Size	Fine size: 0.15 - 6.3mm Lump size: 6.3 - 40.0mm
Chemical Composition	• Fe: 60.0 - 68.0% • SiO2 ⩽ 4.5% • Al2O3 ⩽ 2.5% • P ⩽ 0.15% • S ⩽ 0.07% • Moisture < 4.0% • Microelement: specified upon request



1.2. Steel billet

Steel billets distributed by Stavian Industrial Metal are manufactured in large-scale factories, invested in building a closed and synchronous production complex to create a continuous chain in the production of billets and finished steel.

We supply a variety of steel billets, produced by IF, EAF, and BF technology, meeting customers' requirements. Especially, customized products in large quantities are available upon customers' request.

CATEGORIES	DETAILS
Size	• Nominal size: 120×120mm, 130×130mm, 150×150mm • Length: 6/12m
Grade	• CT5, 3SP, 4SP, 5SP, SD295(A)...
Standard	• JIS, ASTM, BS, TCVN...



1.3. Hot rolled coil (HRC)

Stavian Industrial Metal provides a full range of hot rolled steel products in coils, plates and a full range of common steel grades.

The products provided by Stavian Industrial Metal are manufactured by prestigious global steelmakers such as Hoa Phat, Formosa, TATA Steel, Nippon Steel, Hyundai Steel, Baotou Steel, Shangchen Steel...

CATEGORIES	DETAILS
Coil	2 - 20mm in thickness
Plate	3 - 40mm in thickness and cut-to-order
Grade	Q235, Q195, SAE1006, SAE 1008, SS400, Q355, A36, A572...
Standard	JIS, ASTM, SAE, TIS, EN, MS, GB...



1.4. Cold rolled coil (CRC)

Stavian Industrial Metal provides a full range of cold rolled steel products in coils, plates, SPHC, SPCC...

Besides, we also supply sheet & coil products in primary and secondary grades from big producers around the world such as Hyundai Steel, Nippon Steel...

CATEGORIES	DETAILS
Coil	0,2 - 6mm in thickness
Plate	Cut-to-order
Type	Cold rolled coil (CR), electromagnetic coil (ES), oil coated coil (PO), 2 grade steel plates and coil...
Standard	JIS, ASTM, EN, JFS, AS...





1.5. Coated steel

Coated steel refers to steel that has been treated with a protective layer to enhance its durability, corrosion resistance, and aesthetic appeal. This coating can be made from various materials, including zinc, aluminum-zinc, paint, or polymer, and is applied through processes such as galvanization, painting, or powder coating.

Stavian Industrial Metal offers high-quality coated steel products, including galvanized steel (GI), galvalume steel (GL), and pre-painted steel (PPGI/PPGL), available in diverse specifications. These products meet international quality standards such as JIS (Japan), AS (Australia), ASTM (USA), EN (Europe), ISO 9001, and ISO 14001.

Coated steel products distributed by Stavian Industrial Metal are preferred thanks to various advantages:

- **Corrosion resistance:** The protective coating shields the steel from environmental factors that cause rust and degradation, significantly extending its lifespan
- **Visual appeal:** Coated steel can be finished in various colors and textures, making it ideal for architectural applications and consumer products.
- **Enhanced performance:** Coated steel often demonstrates improved mechanical properties, including increased hardness and abrasion resistance.
- **Versatility:** It is widely used in applications ranging from construction materials and automotive parts to appliances and furniture.
- **Sustainability:** Many coatings can be recycled or are made from eco-friendly materials, contributing to sustainable manufacturing practices.

Overall, coated steel combines the strength of steel with added protective and aesthetic surface options, making it a popular choice across numerous industries.

CATEGORIES	DETAILS
Product	Coated steel coils, sheet, slitting coils
Coating	Zinc, Alu-Zinc, Paint, etc.
Coating thickness	• GI: Z40-Z350 g/m2 • GL: AZ30-AZ200 g/m2 • PPGI/PPGL: Paint layer thickness of 5-30 microns with a variety of surface finishes (PE, ME, EP, PVDF, textured coatings, etc.)
Steel thickness	• GI: 0.30-3.0mm • GL: 0.18-2.0mm • PPGI/PPGL: 0.28-1.20mm
Width	600 - 1500mm
Standards	JIS, EN, ASTM...
Applications	Roofing sheets, panels, structural components, etc.

1.6. Construction steel

Stavian Industrial Metal specializes in distributing a wide range of steel products for large-scale projects and construction, including infrastructure, civil and industrial projects.

Our construction steel portfolio includes rebar steel, wire rods, structural steel, section steel, pre-painted steel, and various specialized steel types produced by reputable large-scale manufacturers, meeting the quality standards of Vietnam and numerous international markets.



1.6.1. REBAR STEEL

Size

- D6 - D32

Quality Standard

- JIS, TCVN, BS, ASTM

Grade

- SD295
- CB240T
- Grand 40
- CB300V, CB400V, CB500V

Applications

- Civil construction
- Transportation & port infrastructure
- Industrial parks, factories



1.6.2. WIRE ROD

Size

- D6 - D8
- D6-D18

Quality Standard

- TCVN, ASTM, JIS, BS

Grade

- SAE 1006, SAE 1008
- SAE 1012, SAE 1015, SAE 1018
- SAE 1022
- Q195, Q235

Applications

- Civil construction
- Transportation & port infrastructure
- Industrial material production



1.6.3. STRUCTURAL STEEL PLATE

Size

- Cast plates
- Cut plates

Quality Standard

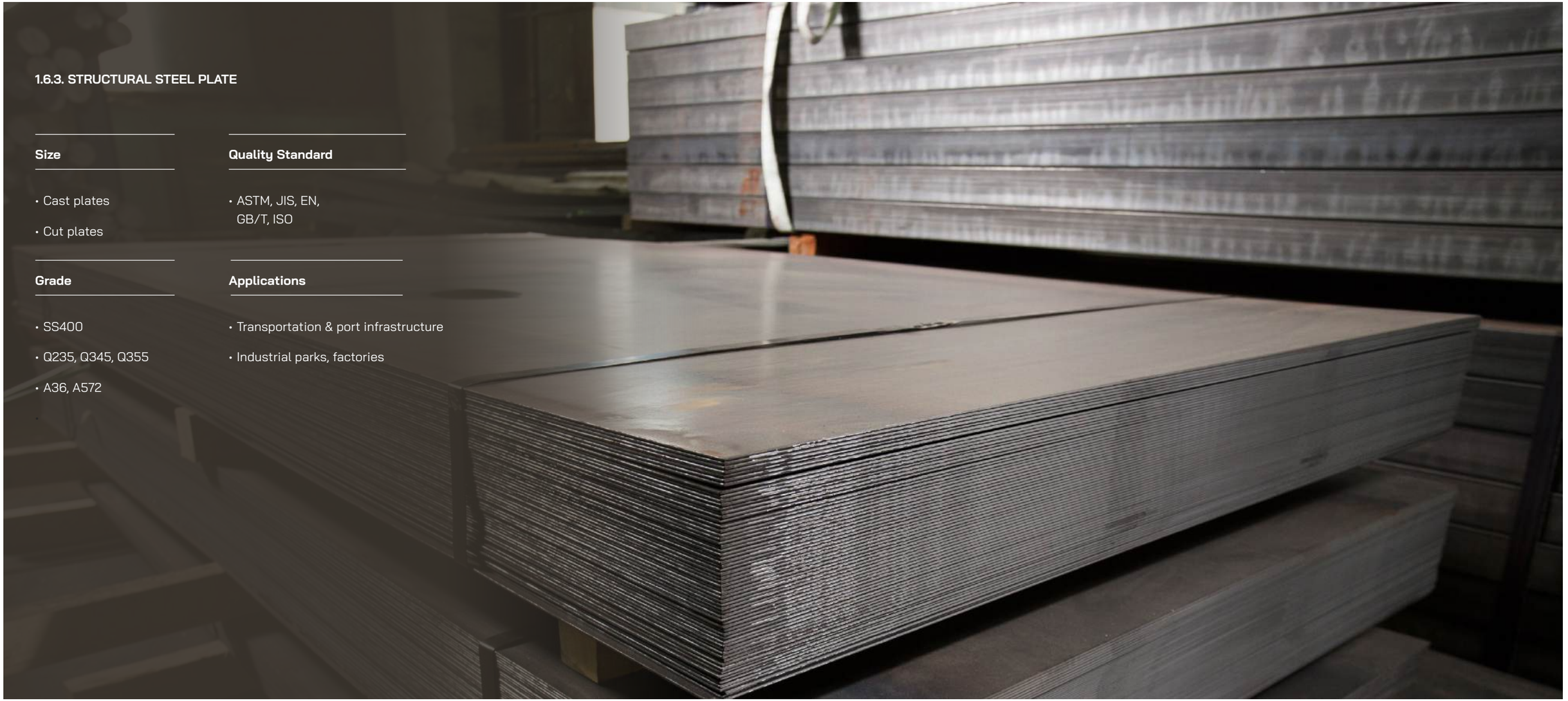
- ASTM, JIS, EN, GB/T, ISO

Grade

- SS400
- Q235, Q345, Q355
- A36, A572

Applications

- Transportation & port infrastructure
- Industrial parks, factories



1.6.4. SECTION STEEL

Size

- L40 - L150
- C8 - C16
- I10 - I15
- And other structural steel products, including H-beams, U-channels, angle steel, and more

Quality Standard

- TCVN, JIS

Grade

- SS400, SS540
- Q235, A36
- CT34, CT38, CT42

Applications

- Industrial parks, steel structure factories



1.6.5. PRE-PAINTED COATED STEEL

Size

- Width: 1200mm
- Various coating weight and colors

Quality Standard

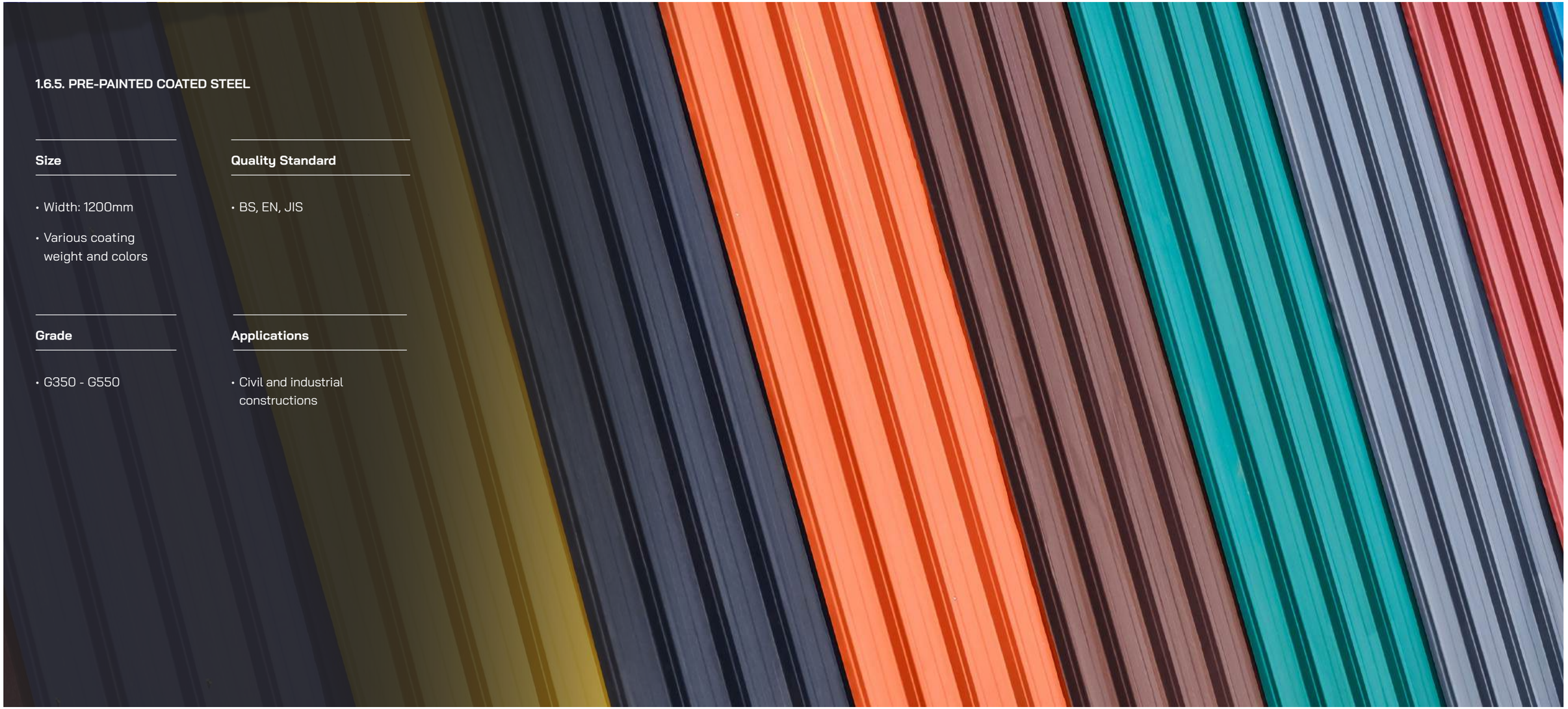
- BS, EN, JIS

Grade

- G350 - G550

Applications

- Civil and industrial constructions



1.6.6. SPECIALIZED STEEL

Elastic steel, S45C machining steel, Russian-standard steel arch for mining...

Applications

- Machinery and industrial equipment manufacturing
- Mining industry applications



1.7. Shipbuilding steel

Stavian Industrial Metal is a large-scale distributor of raw materials for the shipbuilding industry, both domestically and internationally. Our product offerings include Steel plates, Section steel, and Bulb flat, all certified by national and international classification organizations.

Shipbuilding steel is known for its superior thickness and hardness, providing exceptional durability and corrosion resistance. These properties enable ships to withstand the pressures of marine environments effectively. Additionally, the excellent weldability of shipbuilding steel makes fabrication and assembly more efficient and reliable.

Today, with technological advancements, shipbuilding steel has been continuously improved in quality and application. This material is used not only in the construction of commercial vessels but also in military and cruise ships, significantly contributing to overall socioeconomic development.





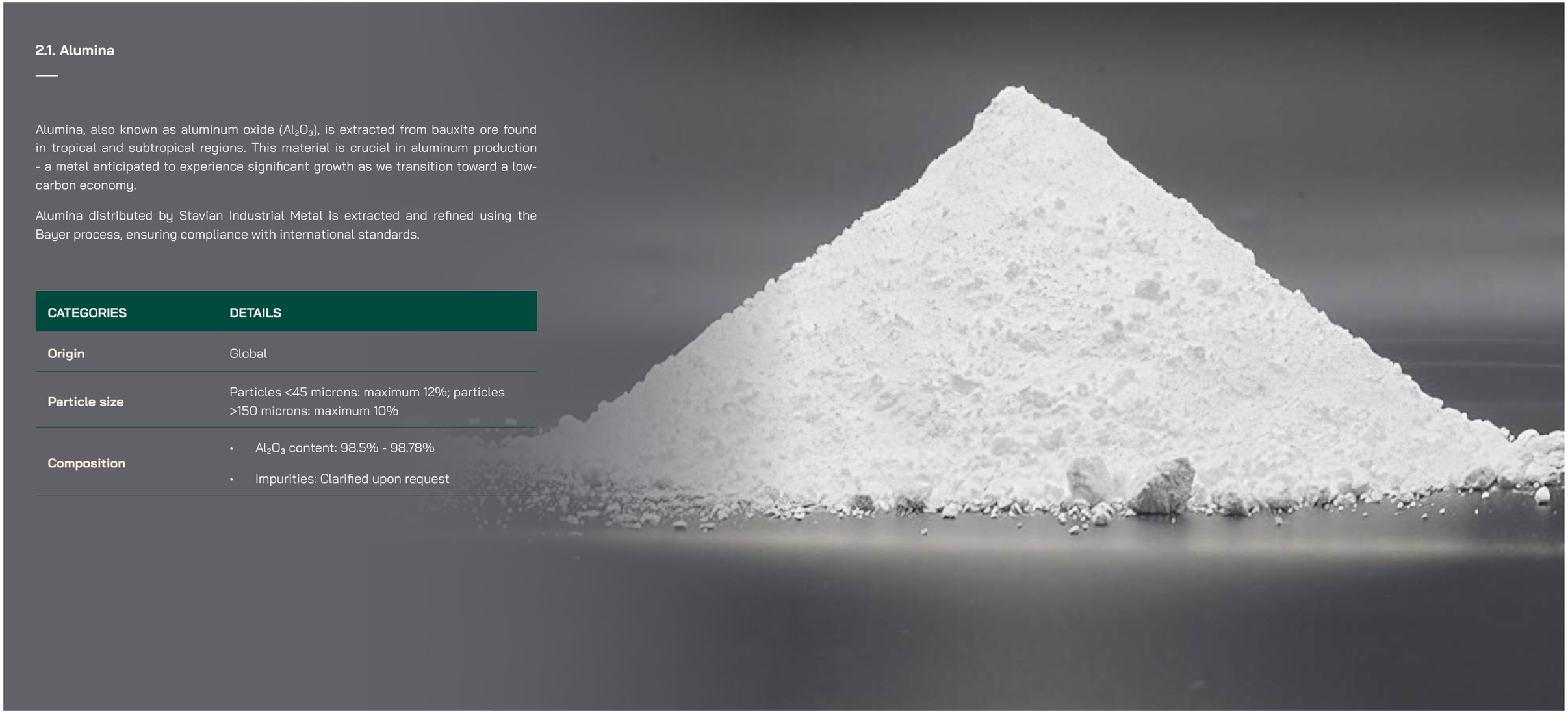
02. ALUMINUM

2.1. Alumina

Alumina, also known as aluminum oxide (Al_2O_3), is extracted from bauxite ore found in tropical and subtropical regions. This material is crucial in aluminum production - a metal anticipated to experience significant growth as we transition toward a low-carbon economy.

Alumina distributed by Stavian Industrial Metal is extracted and refined using the Bayer process, ensuring compliance with international standards.

CATEGORIES	DETAILS
Origin	Global
Particle size	Particles <45 microns: maximum 12%; particles >150 microns: maximum 10%
Composition	• Al_2O_3 content: 98.5% - 98.78% • Impurities: Clarified upon request



2.2. Aluminum ingot

Stavian Industrial Metal provides high-quality aluminum ingots which are raw materials for the production of aluminum alloys (aluminum billet) and final aluminum profiles.

All products offered by Stavian Industrial Metal are well-sourced and have clear origins, produced by world's leading suppliers such as Rio Tinto, Alcoa, Vedanta, Press Metal ... and trusted by domestic and foreign markets.

CATEGORIES	DETAILS
Grade	• Al99.90 / Al99.85 / Al99.70 / Al99.60 / Al99.50 / Al99.00 / Al99.7E / Al99.6E • Al 99%-99.9% min • Other: Al96 or ADC-6, ADC-12 / A-413, A360...
Appearance & Weight	Silvery white color, approximately 20-25 kg per ingot, or as per specific standards of each manufacturer



2.3. Aluminum billet

Stavian Industrial Metal provides aluminum billets of various types, serving the aluminum extrusion industry.

Our products are manufactured in large and reputable factories, meeting technical standards and are eligible for export.

Depending on customer requirements, billet products are cut to length or molded to many diameter sizes.

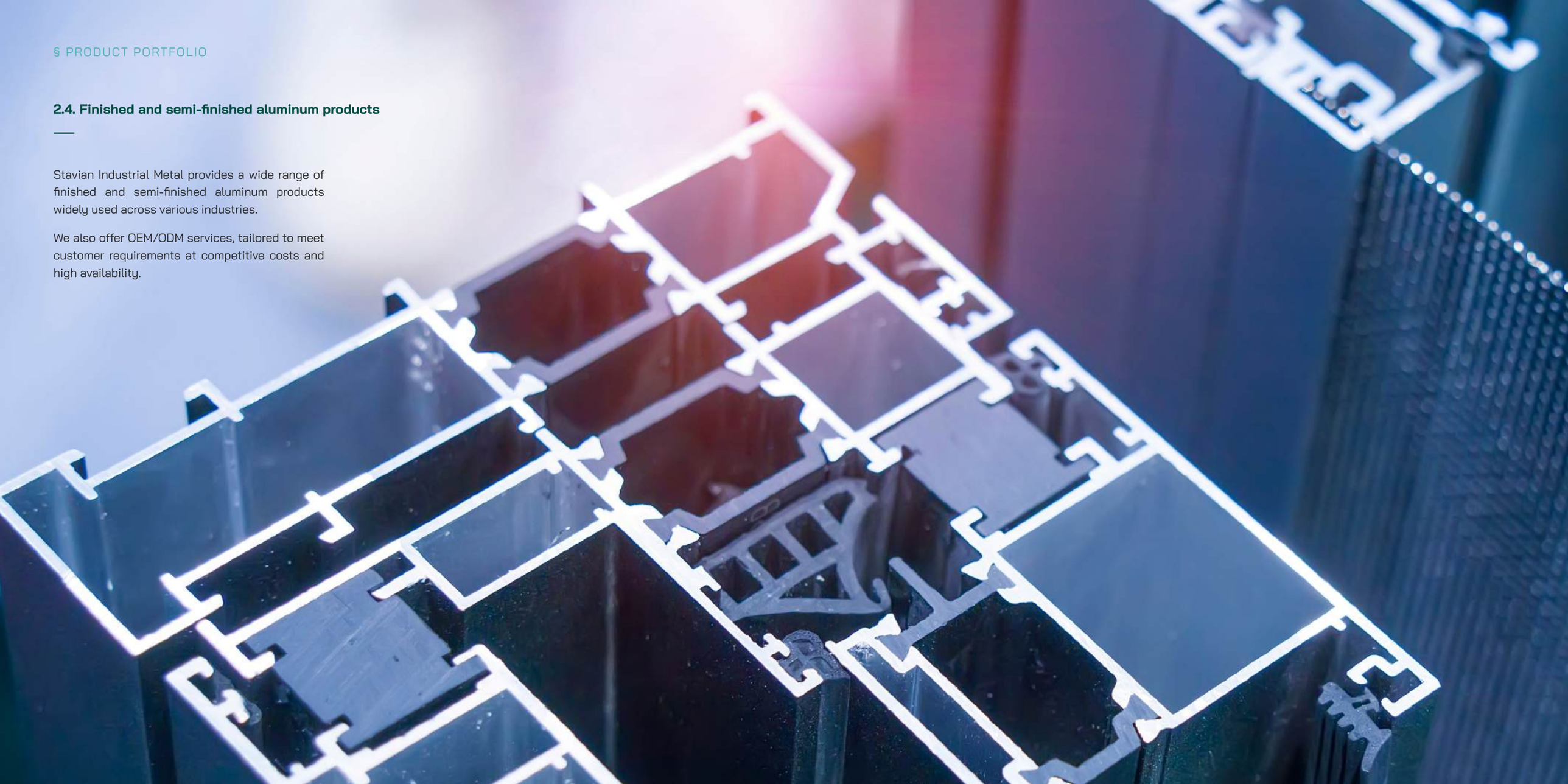
CATEGORIES	DETAILS
Grade	6063, 6061, 6005...
Diameter	4 inches - 14 inches
Applications	Used to produce aluminum profiles and extrusions for curtain walls, exterior glass facades, sunshades, supporting industries, and interior/exterior decoration, etc.
Standards	BS, ASTM, JIS...



2.4. Finished and semi-finished aluminum products

Stavian Industrial Metal provides a wide range of finished and semi-finished aluminum products widely used across various industries.

We also offer OEM/ODM services, tailored to meet customer requirements at competitive costs and high availability.



2.4.1 ALUMINUM PROFILES

Grade

6061, 6063,

6082, 6101...

Technical standards

ISO 6362-1:2012

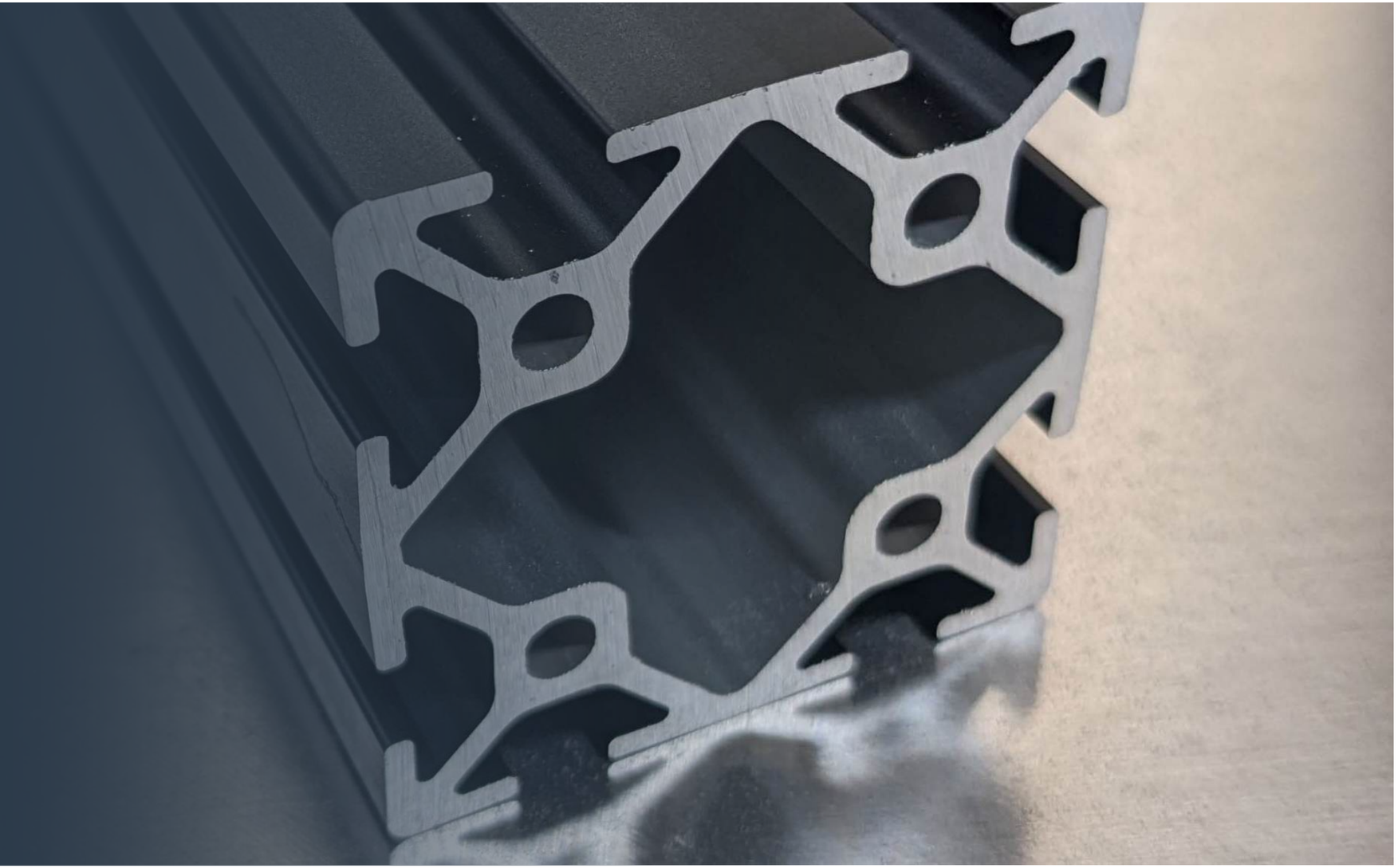
ASTM B221

Applications

Widely used in industries such as architecture & interiors, solar energy, and thermal solutions (heat dissipation), etc.

Quality standards

Ensures straightness, flatness, angular tolerance, and precise perpendicularity as per ISO 6362-1 and ASTM B221 standards.



2.4.2 ALUMINUM WIRE

Grade

EC - AL: 1350 & 1070

Technical standards

EN 1715, ASTM B230/B230M

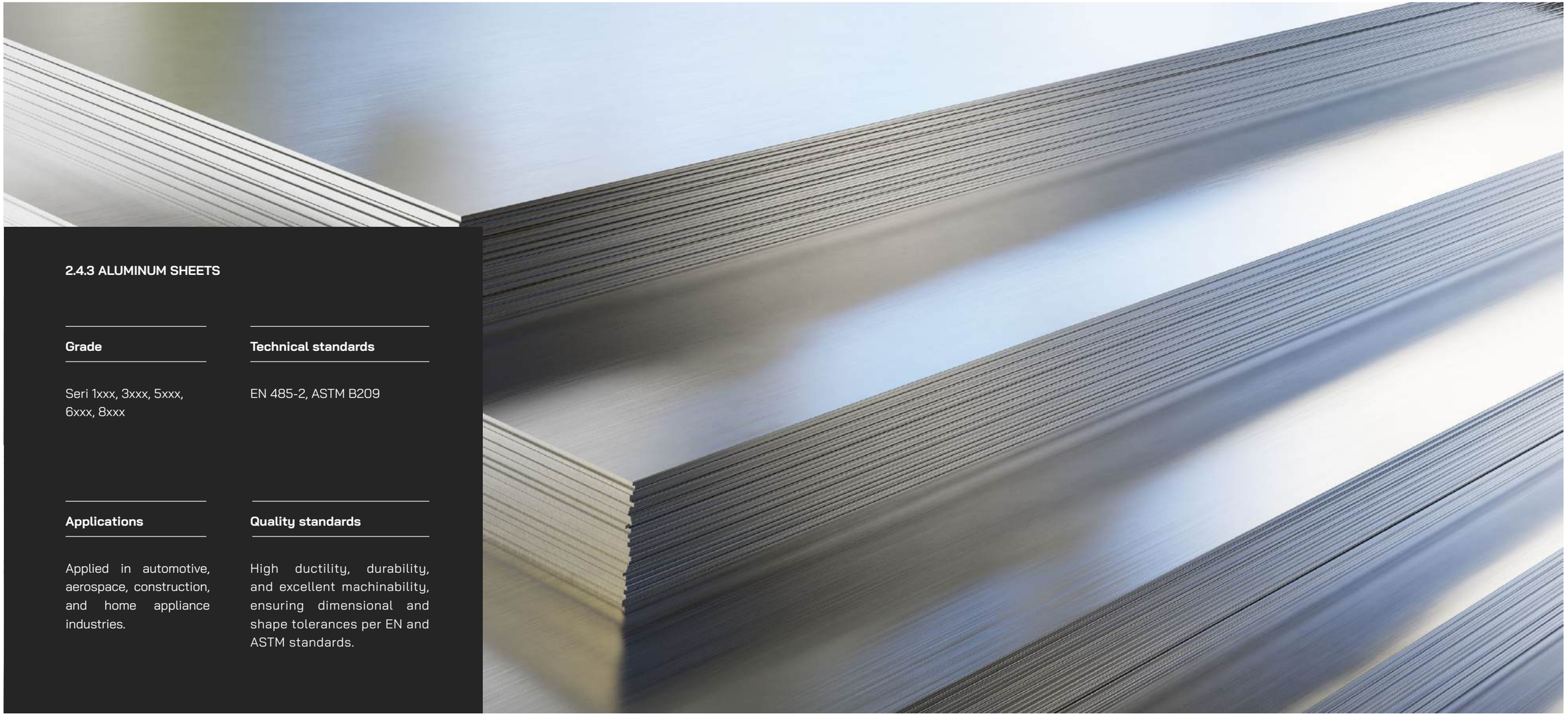
Applications

Used in the production of electrical wires, cables, and other electronic components.

Quality standards

High conductivity, good tensile strength, and oxidation resistance in compliance with EN and ASTM standards.





2.4.3 ALUMINUM SHEETS

Grade

Seri 1xxx, 3xxx, 5xxx, 6xxx, 8xxx

Technical standards

EN 485-2, ASTM B209

Applications

Applied in automotive, aerospace, construction, and home appliance industries.

Quality standards

High ductility, durability, and excellent machinability, ensuring dimensional and shape tolerances per EN and ASTM standards.

2.4.4 ALUMINUM COILS

Grade

Seri 1xxx, 3xxx,

5xxx, 8xxx

Technical standards

EN 573-3, EN 485-4,

ASTM B209

Applications

Used in roofing, wall cladding, packaging manufacturing, & household products.

Quality standards

High ductility, durability, and excellent machinability, ensuring dimensional and shape tolerances per EN and ASTM standards.



03. COPPER



3.1. Copper cathode

Stavian Industrial Metal specializes in distributing high-purity copper cathodes, meeting strict domestic and international quality standards.

These products are widely used by customers in the production of copper wire, finished copper products, and more. They are essential across various industries, including electrical, industrial, mechanical, architecture, construction, and electronic components.

Purity

⩾ 99.99%

Size

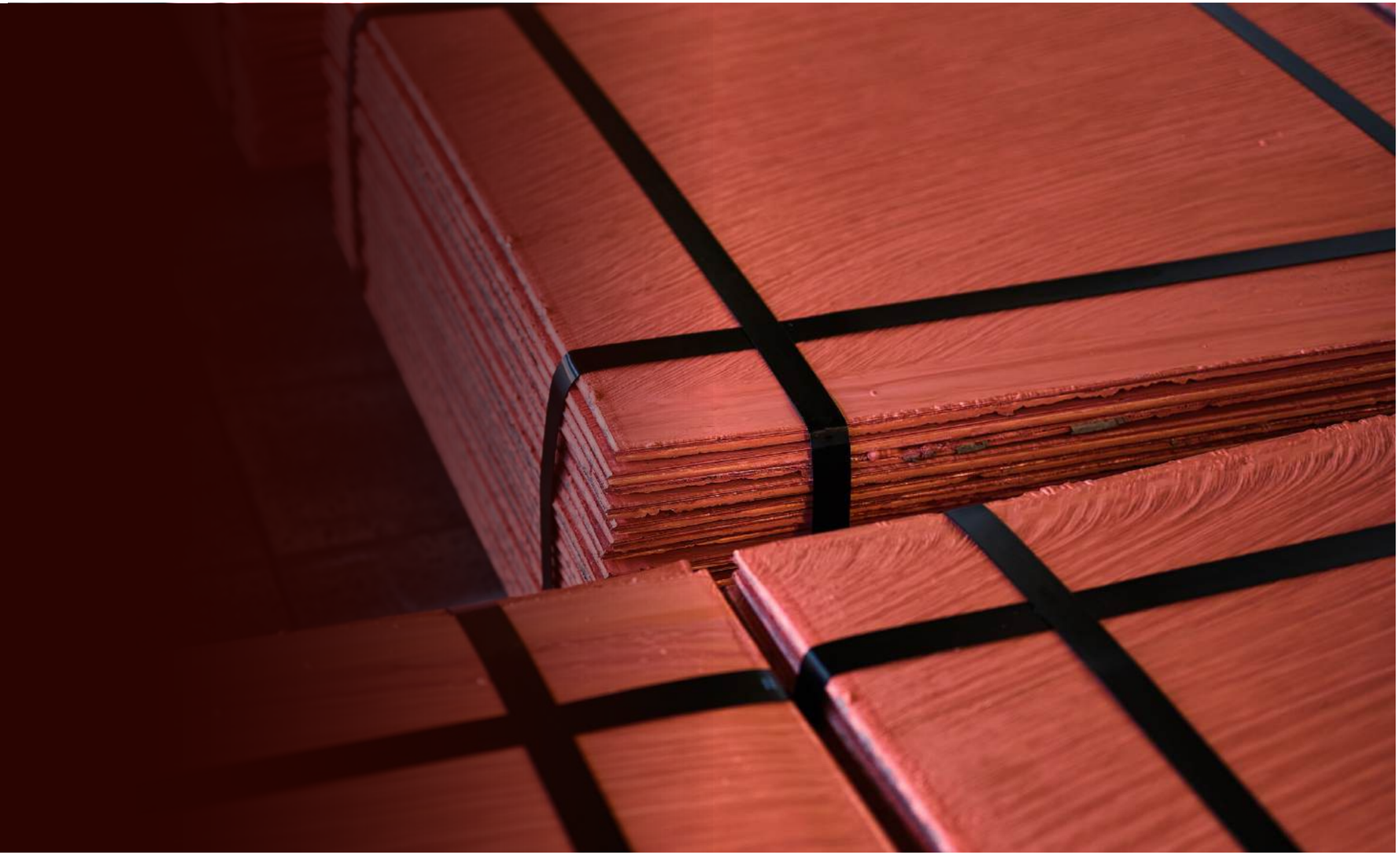
Sheet thickness ranges from 6mm to 16mm... (as per manufacturer standards)

Standards

BS EN 1978:2022 - Cu-CATH-1

GB/T 467-2010 - Cu-CATH-1

ASTM B115-10 (2021) - Cathode Grade A



3.2. Copper wire

Stavian Industrial Metal supplies a wide range of copper wire sizes, used as raw material for wire and cable companies, as well as other industries.

Our products ensure tensile strength and elongation in accordance with both domestic and international testing standards.

With an extensive distribution network and reliable sourcing from world-class manufacturers, the products we supply come with full certificates of origin and can be shipped worldwide at competitive prices.

Size	Standards
Φ 2.6 / 3.2 / 8 mm...	JIS, ASTM, BS, DIN

Packaging

Copper wire products, including drawn and stranded wire, can be manufactured and packaged according to customer requirements.





04. ZINC

4.1. Zinc ingot

Stavian Industrial Metal supplies high-purity Zinc Ingot, primarily used in the plating and galvanizing industries.

All zinc ingots distributed by Stavian Industrial Metal have clear origins, are stored and transported in accordance with manufacturer standards, and are trusted by both domestic and international markets.

Purity

⩾ 99.995% zinc

Shape

Ingot, size according to manufacturer standards

Surface

Silver-white, shiny

Standards

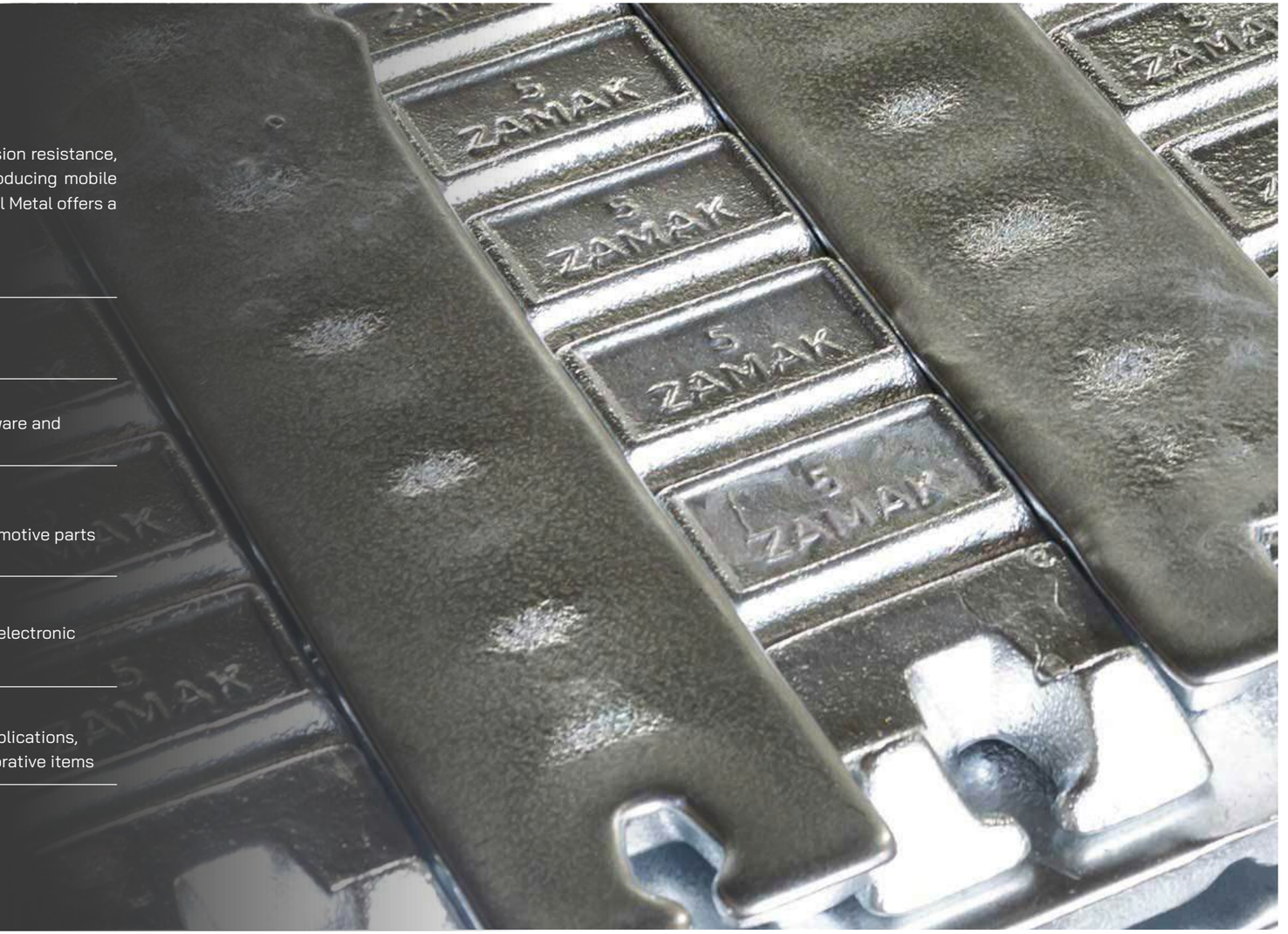
BS EN 1179:2003 - 99.995%
ISO 752:2004 - ZN-1
ASTM B6-12 - LME
GB/T 470-2008 - Zn 99.995



4.2. Zinc alloy

Zinc alloys are widely used in various industries and daily life due to their excellent rust and corrosion resistance, durability, and high-temperature resistance. They are the top choice for mold manufacturing, producing mobile electronics, electronic tools, household items, and many other high-tech products. Stavian Industrial Metal offers a wide range of zinc alloys, including:

Zinc alloy type	Main alloying element	Features	Applications
Zinc-Alu (ZA)	Aluminum	High-strength, hardness, load-bearing capacity	Automotive parts, hardware and accessories
Zinc-Copper (ZC)	Copper	High-strength, good ductility, ideal for die-casting	Electrical components, automotive parts
Zinc-Nikel (ZN)	Nikel	Excellent corrosion resistance and high durability	Automotive components, electronic casings
Zinc-Tin (ZT)	Tin	Good castability	Suitable for decorative applications, architectural hardware, decorative items





COMMITMENT TO SUSTAINABLE DEVELOPMENT

Stavian Industrial Metal is committed to a sustainable development strategy, pioneering the creation of a green industry, focusing on 03 main factors:

- **Products & Services**
- **Technology**
- **Partner networks**

5.1. Products

Green metals are produced with environmental-friendly technologies, without the use of fossil fuels, producing low carbon emission through out the entire production process. (According to Bloomberg, World Economic Forum)

Stavian Industrial Metal puts green industrial materials as a core product in its long-term development strategy, contributing significantly to the global trend of green industrial material consumption.

We aim to achieve net-zero carbon emissions by developing and growing an ecosystem of sustainable value products and solutions, such as: Green steel (HRC, Rebar), HBI, Pellet; Green aluminum (Ingot, Billet, Alloy), Recycled aluminum, as well as providing carbon credit services and emissions management solutions to support customers in implementing their decarbonization pathways and meeting sustainability requirements.



5.1.1. DRI

Stavian Industrial Metal supplies Direct Reduced Iron (DRI), also known as sponge iron, a high-iron metallic feedstock produced by removing oxygen from iron ore without the need for melting. With stable quality, low impurity levels and clear traceability, DRI supplied by Stavian Industrial Metal complies with international standards and is trusted by customers in both domestic and global markets.

DRI is used as an important supplementary feedstock to scrap in steelmaking, helping improve charge mix quality and metallurgical efficiency across various production technologies, including Electric Arc Furnaces (EAF) and the Blast Furnace-Basic Oxygen Furnace (BF/BOF) route.

DRI is currently classified into three main forms: Cold DRI (CDRI), Hot DRI (HDRI) and Hot Briquetted Iron (HBI), with HBI offering higher density and greater stability, making it more suitable for international trade and long-distance transportation.

Due to its highly reactive nature, DRI requires stringent handling, transportation and storage conditions to ensure safety and maintain product quality throughout the supply chain.



5.1.2. Hot briquetted iron - "HBI"

Hot briquetted iron (HBI) is an essential raw material in the production of green steel, significantly reducing carbon emissions right from the iron making.

Using advanced technology and renewable energy sources such as green hydrogen, the oxygen in iron ore is directly reduced to retain iron content, forming Direct reduced iron (DRI), also known as sponge iron.

HBI are DRI or sponge iron moulded in a briquette form, easy to transport, and can be used in various steel furnaces such as Electric Arc Furnace (EAF), Blast Furnace (BF), and Basic Oxygen Furnace (BOF) with varying ratios.

HBI is produced with consistent chemical and physical properties, clearly defined and certified by manufacturers in compliance with ISO quality standards.

Category	Details
Origin	Global sources
Size	(30-34) x (48-58) x (90-140) mm
Chemical composition	Metallization: 92-96% Fe (total): 88-94% Fe (Metallic): 83-90% C: 0.5-3% S: 0.001-0.03% P: 0.005-0.09% Gangue: 2.8-8.6% Apparent Density: >= 5t/m^3

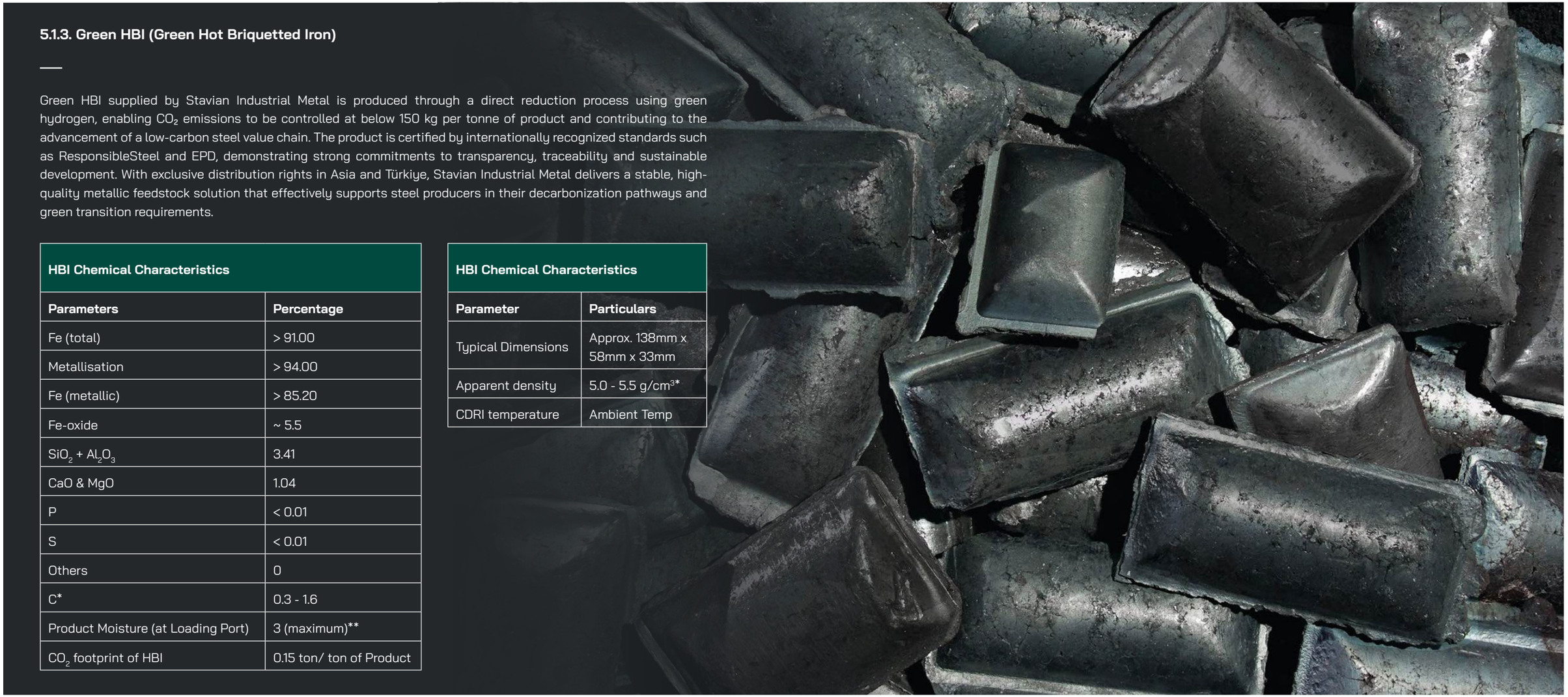


5.1.3. Green HBI (Green Hot Briquetted Iron)

Green HBI supplied by Stavian Industrial Metal is produced through a direct reduction process using green hydrogen, enabling CO_2 emissions to be controlled at below 150 kg per tonne of product and contributing to the advancement of a low-carbon steel value chain. The product is certified by internationally recognized standards such as ResponsibleSteel and EPD, demonstrating strong commitments to transparency, traceability and sustainable development. With exclusive distribution rights in Asia and Türkiye, Stavian Industrial Metal delivers a stable, high-quality metallic feedstock solution that effectively supports steel producers in their decarbonization pathways and green transition requirements.

HBI Chemical Characteristics	
Parameters	**Percentage**
Fe (total)	> 91.00
Metallisation	> 94.00
Fe (metallic)	> 85.20
Fe-oxide	~ 5.5
SiO_2 + Al_2O_3	3.41
CaO & MgO	1.04
P	< 0.01
S	< 0.01
Others	0
C*	0.3 - 1.6
Product Moisture (at Loading Port)	3 (maximum)**
CO_2 footprint of HBI	0.15 ton/ ton of Product

HBI Chemical Characteristics	
Parameter	**Particulars**
Typical Dimensions	Approx. 138mm x 58mm x 33mm
Apparent density	5.0 - 5.5 g/cm^3*
CDRI temperature	Ambient Temp





5.1.4. Green steel

Carbon emission levels	< 0.6 tons CO2e/ton of steel
Composition	70% HBI, 30 % scrap
Technology	Energiron electric arc furnace
Energy	Natural gas, wind/solar energy, green hydrogen
Certification	EPD Environmental Product Declaration



5.1.5. Green aluminum

Carbon emission levels	< 4 tons CO2e/ton of aluminum
Products	Green alumina, Green ingot, Green billet, Green aluminum wire
Công nghệ	Inert anode/Induction furnace/CCUS
Energy	Natural gas, wind/solar energy, green hydrogen
Chứng nhận	EPD Environmental Product Declaration

5.1.6. Carbon credit services

Stavian Industrial Metal enables customers to manage and optimize costs associated with carbon taxes and mechanisms such as CBAM, as well as equivalent carbon policies in export markets. Through advisory services, carbon credit trading and portfolio management, Stavian Industrial Metal helps customers mitigate the risks associated with CBAM certificate price volatility, optimize overall carbon compliance costs, and enhance their competitiveness when exporting to markets implementing carbon pricing mechanisms.

In addition, carbon credit trading solutions provided by Stavian Industrial Metal are cost-efficient and value-driven, contributing to customers' long-term decarbonization pathways and sustainable development objectives.





5.2. Technology

Stavian Industrial Metal has actively engaged with partners for investment collaborations in production, outsourcing, technology development and application to enhance the global supply capability and capacity of decarbonized materials, including Vietnam.

We prioritize the research and implementation of warehouse management solutions and supply chain optimization to reduce energy consumption, improve the efficiency of transportation, storage and distribution processes, and reduce operational carbon emissions.



5.3. Partner networks

With the belief that "Connection and collective effort are the keys to success in driving carbon emission reduction and sustainable development," Stavian Industrial Metal prioritizes building partnerships with accreditable suppliers who share the commitment to sustainable development.

We not only welcome but actively promote opportunities for collaboration in trade, investment, production, technology transfer, and big data related to green metals. Additionally, Stavian Industrial Metal is engaged in organizing training activities, knowledge and experience sharing, skill and expertise enhancement to contribute to building a strong and sustainable green metal manufacturing industry.





STRATEGIC PARTNERS

We establish strategic and long-term relationships with financial partners, suppliers, and customers to jointly create sustainable values for the development of Vietnam’s industry and economy, as well as for the region and the international community.

Suppliers

HOA PHAT · NIPPON STEEL · posco · TSINGSHAN · BHP · Vitol · MAN Industries (India) Ltd · ADITYA BIRLA HINDALCO

HBIS · Hydro · FHS · ArcelorMittal · RioTinto · vedanta · 沙钢集团 SHAGANG GROUP

KZ · BAOSTEEL · Alcoa · inalum · TATA STEEL · TRAFIGURA · GLENCORE · JINTIAN 金田铜业

TOSYALI · Çolakoğlu Metalurji · Ouyeel · SHENG LONG · STEEL · DEXIN STEEL INDONESIA · WZ GROUP 物产中大 · ACME

RHM · JINCHUAN 金川 · ZiJin · MAGNITOGORSK IRON & STEEL WORKS · 金运钢管 · TOYOTA TSUSHO · MERCURIA

Customers

AMACCAO GROUP · AUSTDOOR · VINFAST · THACO INDUSTRIES · XMXYG · HOA PHAT · TÔN NAM KIM · TÔN VIỆT PHÁP

DINOSTAR · viettel construction · DAIDUNG · VGS · VNSTEEL · ALUKO · THUAN PHAT STEEL

STAR · TAY NAM STEEL · PETROCONS · TANGHENAM · Pomina · LS VINA Cable & System · STEEL ASIA

PTSC · YNG HUA · TÔN TVP · DAIDONG 大東

Financial partners

BIDV · Vietcombank · TECHCOMBANK · VietinBank · MB · VPBank · Sacombank · standard chartered · TPBank · SeABank · Shinhan Finance · OCEAN BANK NGÂN HÀNG TM TNHH MTV ĐẠI DƯƠNG



CORPORATE SOCIAL RESPONSIBILITY

We understand and continuously improve the quality of our CSR initiatives, with the commitment to pay it forward.



Corporate Social Responsibilities

STAVIAN GROUP FOUNDATION
HEART TO HEART

Business

- Excellent business performance
- Satisfied customers
- Management and compliance

Environment

- Environmental care
- Supporting customers in achieving environmental goals

Society

- Diverse development, health and safety training
- Equal development opportunities



Medical Equipment Donation for COVID-19 Frontliners







Building schools for children in highland areas



Providing bedding sets to elderly individuals in poor conditions in Ninh Binh



Visiting, encouraging and donating meaningful gifts to the Nho Quan Rehabilitation Center for Veterans









Sponsoring classroom renovation, donating books, school supplies and other meaningful gifts to disadvantaged children with disabilities at the Class of love at Huong Lan Pagoda, Chuong My, Hanoi





Sponsoring reforestation and environmental improvement projects in highland regions





STAVIAN CHEMICAL - Diamond sponsor of SEA Games 31





Stavian Industrial Metal participated in the "Nurturing Hope – Building the Future" project in Trung Chinh Commune, Bac Ninh, donating a STEM classroom and scholarships to students facing difficult circumstances.















The Board of Directors of Stavian Industrial Metal presents medical equipment to Trung Chinh Commune Health Station.

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